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REMARKS

Claim 1 has been amended and claims 47 and 48 have been canceled. Claims 1-7, 10-18 and 20-29 are pending and under consideration.

Examiner Interview

On behalf of the Applicants, Applicants' Attorney, Gunther J. Evanina, wishes to express gratitude to the Examiner for discussing the communication mailed June 13, 2005 during a telephonic interview on July 7, 2005. It was agreed that claim 1 would be considered as filed in the amendment dated March 17, 2005, without the requirement of being "formed by intramolecular linking of diacetylene moieties bonded to the dendritic polymer core," provided that Applicants explain what is meant by "chemical moieties" and "intramolecularly linked" and how the terminology is supported in the specification. The purpose of the telephonic interview was to clarify issues relating to the Office Action mailed June 13, 2005, which did not include any prior art rejections. Accordingly, there was only a general discussion of the claims, and specifically claim 1, without discussion of specific prior art.

New Restriction Requirement

The Examiner has stated that the reply filed on March 17, 2005 was not fully responsive because newly amended claims 1-7, 10-19, 20-29, 47 and 48 were directed to inventions that are independent or distinct from the originally claimed invention.

It is believed that agreement was reached during the telephonic interview on July 7, 2005, that claim 1, as listed in the amendment mailed March 17, 2005, would be considered on the merits provided that Applicants explain how the expressions "chemical moieties" and "intramolecularly linked" are supported by the specification. Chemical moieties covalently bonded to terminal groups of a dendritic polymer core are supported by original claim 8 which is directed to a compound comprising a dendritic polymer core and segments bonded to the dendritic polymer core and having alternating conjugated double and triple bonds, wherein the alternating conjugated double and triple bonds are formed by intramolecular linking of diacetylene moieties. Further, at paragraph 35, it is stated that a dendrimer having terminal reactive groups is reacted with a diacetylene reagent to form a dendrimer having diacetylene terminal moieties which are subsequently "exposed to gamma or ultraviolet irradiation to

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induce intramolecular cross-linking to form a reaction product comprising . . . intramolecular segments containing alternating conjugated double and triple bonds." The expression "chemical moieties being intramolecularly linked" refers to chemical moieties bonded to a single dendritic polymer core, which are linked together as shown as the product on the right hand side of Fig. 3. This can be understood by reference to paragraph 37 which states that the use of a dendritic polymer core for preparing a chemical and/or biological sensor of Fig. 3 facilitates "intramolecular reactions of the diacetylene moieties . . ." It is also stated in paragraph 37 that the dendritic polymer core provides a template that favors intramolecular reaction of the diacetylene moieties and prevents their intermolecular reactions (i.e., reactions between diacetylene moieties attached to different dendritic polymer molecules) . . ." Thus, from the specification it is evident that intramolecular linking refers to linking of moieties attached to the same dendritic polymer core, whereas intermolecular reaction refers to reactions between moieties attached to different dendritic polymer cores.

The compound of claim 1 is exemplified by the product shown on the right hand side of Fig. 3. However, the claims do not necessarily require the terminal sensory groups shown in Fig. 3.

The remaining issues concerning claims 47 and 48 have been overcome by cancellation of these claims.

CONCLUSION

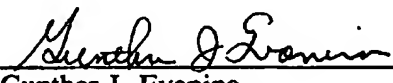
In view of the above remarks, it is respectfully submitted that any failure to fully respond to the prior Office Action has been overcome. Accordingly, favorable consideration and a Notice of Allowance is requested.

Respectfully submitted,

By: Price, Heneveld, Cooper,
DeWitt & Litton, LLP

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Date

GJE/dac



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